



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090230

**Mode:** Highway

**Status:** Submitted

### US-158

**From/Cross Street:** US 64-NC 12

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** Eastern End of Currituck Sound Bridge

**Project Category:** Statewide Mobility

**Length:** 17.3

**TIP#:** R-3419

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$85,428,000

#### Description:

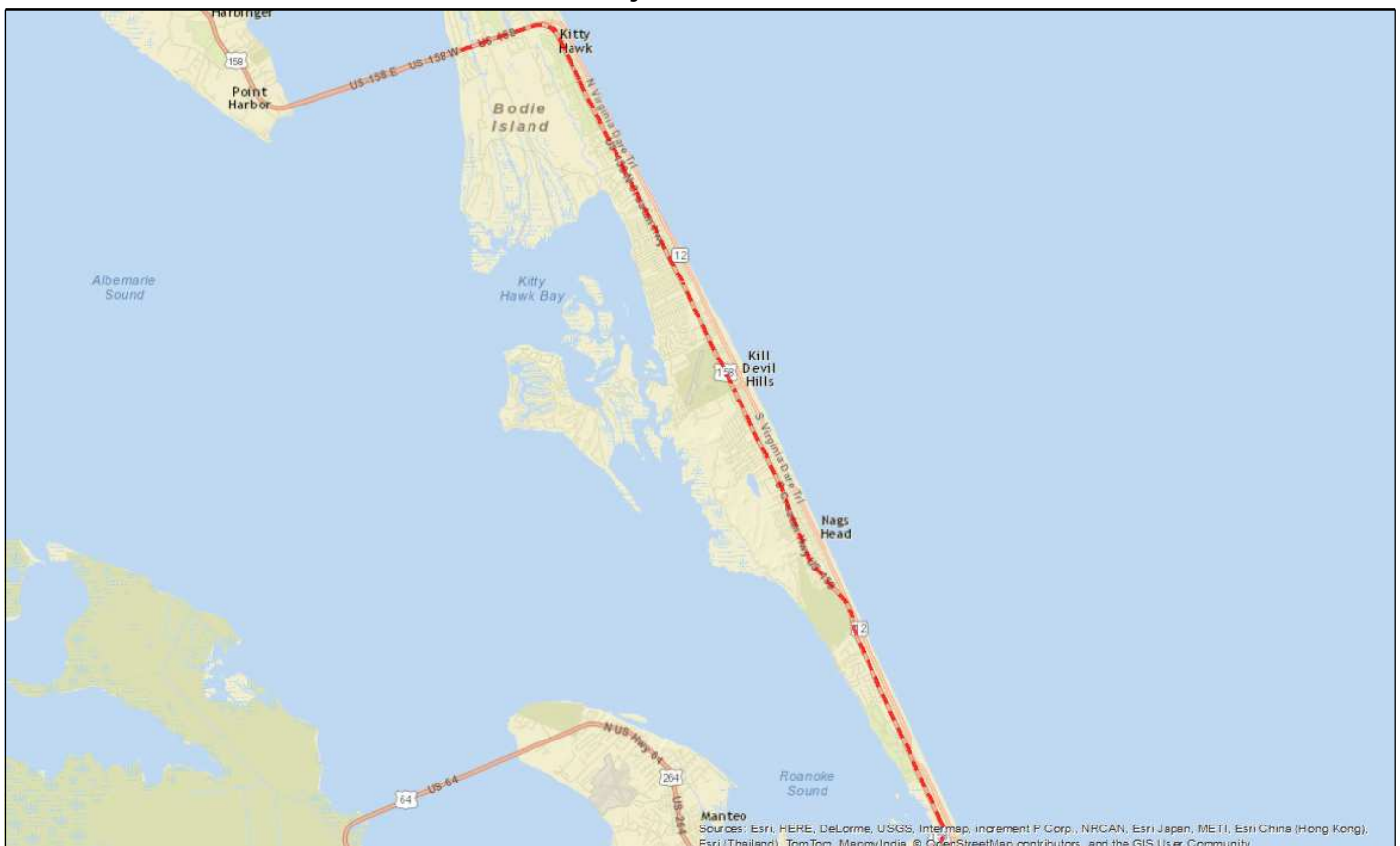
Add Additional Lanes.

**Division(s):** Division 1

**County(s):** DARE

**MPOS(s)/RPO(s):** Albemarle RPO

### Project Location



**Statewide Mobility Total Score: 33.83**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 61.66 Safety (10%) 66.85 Economic Competitiveness (10%) 52.24 Multimodal + [Freight & Military] (20%) 12.30 [Travel Time] Benefit/Cost (30%) 3.20	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 33.83</b>		

**Regional Impact Total Score: 52.42**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Paved] Shoulder Width (10%) 25.00 [Travel Time] Benefit/Cost (20%) 3.20 Congestion (V/C) (15%) 61.66 Safety (15%) 66.85 Lane Width (10%) 0.00	Percent: 15% Points: 100	Percent: 15% Points: 100
<b>Totals: Weight: 70% Weighted Score: 22.42</b>		

**Division Needs Total Score: 15.67**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%) 61.66 Safety (10%) 66.85 Lane Width (10%) 0.00 [Paved] Shoulder Width (10%) 25.00 [Travel Time] Benefit/Cost (10%) 3.20	Percent: 25% Points: 0	Percent: 25% Points: 0
<b>Totals: Weight: 50% Weighted Score: 15.67</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	17.3
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	3
Roadway has Curb & Gutter?	No
Volume (AADT):	26894.98
Capacity:	31700.07
Volume/Capacity Ratio:	0.85
% Autos:	91%
% Trucks:	9%
Truck Volume:	2459.22
Crash Density:	66.85
Crash Severity:	76.04
Critical Crash Rate:	57.68
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	18
Existing Median Type (for Cost Estimation):	TWLT
Pavement Condition Rating:	93
Actual Congested Speed:	42.39
Travel Time Index:	1.17

**Project Benefits**

Project Cross-Section:	6E - 6 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	17.3
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	11963795.63
Travel Time Savings for 30 Years (Autos):	10869853.54
Travel Time Savings for 30 Years (Trucks):	1093942.09
Long-Term Employment:	200
% Change in Economy:	0.0008448
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 1

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership****Division**

Division	Percent	Regional Impact	Division Needs
Division 1	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
Albemarle RPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$56,202,000	TIP Unit
Right-of-Way Cost:	\$26,095,000	Cost Estimation Tool
Utilities Cost:	\$3,131,000	Cost Estimation Tool
Total Project Cost:	\$85,428,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$85,428,000</b>	